

# U.S. Methyl Bromide Consumption by End Use

United States Methyl Bromide Consumption by End Use (1996)

End-Use	Percentage of Total	Consumption (metric tons)	Consumption (lbs.)
<b>Pre-plant</b>			
Small Fruits & Vegetables	53%	11,088	24,437,490
Orchards & Vineyards	11%	2,365	5,211,525
Nursery	15%	3,057	6,738,638
<b>Subtotal</b>	<b>79%</b>	<b>16,510</b>	<b>36,387,653</b>
<b>Structural</b>	<b>5%</b>	<b>1,039</b>	<b>2,289,074</b>
<b>Postharvest</b>			
Perishable Commodities	5%	1,039	2,289,074
Non-Perishable Commodities	3%	623	1,373,445
Quarantine Commodities	1%	208	457,815
<b>Subtotal</b>	<b>9%</b>	<b>1,869</b>	<b>4,120,334</b>
<b>Chemical Intermediates</b>	<b>7%</b>	<b>1,454</b>	<b>3,204,704</b>
<b>Total U.S.</b>	<b>100%</b>	<b>20,772</b>	<b>45,781,488</b>

Sources: EPA 1998, UNEP 1995, CADPR 1995, USDA 1997.

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## Agricultural Uses Only

End Use	Percentage of Total (1)	Consumption (metric tons)	Consumption (lbs.)
<b>Pre-plant</b>			
Small Fruits & Vegetables	57%	11,088	24,437,490
Orchards & Vineyards	12%	2,365	5,211,525
Nursery	16%	3,057	6,738,638
<b>Subtotal</b>	<b>85%</b>	<b>16,510</b>	<b>36,387,653</b>
<b>Structural</b>	<b>5%</b>	<b>1,039</b>	<b>2,289,074</b>
<b>Postharvest</b>			
Perishable Commodities	5%	1,039	2,289,074
Non-Perishable Commodities	3%	623	1,373,445
Quarantine Commodities	1%	208	457,815
<b>Subtotal</b>	<b>10%</b>	<b>1,869</b>	<b>4,120,334</b>
<b>Total U.S. (agriculture) (1)</b>	<b>100%</b>	<b>19,318</b>	<b>42,576,784</b>

1 Does not include chemical intermediates.

Sources: EPA 1998, UNEP 1995, CADPR 1995, USDA 1997.

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## Methyl Bromide Use in the United States

- Major pre-plant uses are divided into small fruits and vegetables, orchards, nurseries, and other crops. Pre-plant use of methyl bromide comprises 79 percent of consumption while structural and post-harvest use 5 percent and 9 percent, respectively.
- Major users of methyl bromide include California, Florida, North Carolina, Georgia, South Carolina, and Kentucky.
- Combined methyl bromide use in California and Florida accounts for approximately 65 percent of all pre-plant uses of methyl bromide in the United States.
- In 1996, methyl bromide consumption for structural fumigation was approximately 1,000 metric tons. Methyl bromide is primarily used to treat crop storage areas, food processing plants, warehouses, mills, grain elevators, and, to some extent, apartments and homes.
- Methyl bromide use for commodity fumigation was approximately 1,800 metric tons for 1996. As a commodity fumigant, methyl bromide is used primarily to treat perishable commodities (5 percent of total U.S. consumption). Methyl bromide is used to treat a variety of commodities at major ports in San Diego, California; Galveston, Texas; Jacksonville and Miami, Florida; Baltimore, Maryland; Norfolk, Virginia; and at points along major U.S. rivers (e.g., Mississippi, Missouri, and Ohio).
- Crop usage and total pre-plant methyl bromide consumption for the United States for 1996 is based on EPA (1997), UNEP (1995), USDA (1994, 1995), CADPR (1995), ICF (1997), NAPIAP (1993), Smith (1997), Palmer (1997), FASS (1997), and EPA (1994).

## United States Methyl Bromide Consumption by Agricultural End Use (1996)

